

PROJECT CONTROL MONUMENTS - NAD 83 (1991.35) CCS ZONE 2 - US FEET				
POINT NAME	NORTHINGS	EASTINGS	DESCRIPTION / "STAMPING"	CALTRANS REFERENCE
SPRING	1854967.44	6890959.79	FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM SPRING"	12 ROS 28
CM 50-2	1855028.95	6890780.88	FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50-2"	SR:2005-205/EA:02-25954
CM 50.45	1854992.40	6890984.41	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.45"	SR:2005-205/EA:02-25954
CM 50-3	1855046.84	6891659.57	FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50-3"	SR:2005-205/EA:02-25954
CM 50.56	1854986.67	6891748.13	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.56"	SR:2005-205/EA:02-25954
CM 50.65	1854726.78	6892170.89	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.65"	SR:2005-205/EA:02-25954
CM 50.70R	1854640.16	6892467.00	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.70R"	SR:2005-205/EA:02-25954
CM 50.91	1854232.38	6893219.72	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.65"	SR:2005-205/EA:02-25954
CM 51.03	1853597.51	6893753.14	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.03"	SR:2005-205/EA:02-25954
CM 51.15	1853405.55	6894298.91	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.15"	SR:2005-205/EA:02-25954
GREENHORN	1853824.51	6894621.71	FND CALTRANS Brass Disk in Rock stamped "GREENHORN 2004"	SR:2005-205/EA:02-25954
CM 51.27	1853329.58	6895012.82	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.27"	SR:2005-205/EA:02-25954
CM 51-3	1853325.75	6895187.41	FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51-3"	SR:2005-205/EA:02-25954
LOOP	1853551.46	6895909.27	FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM LOOP"	12 ROS 28
CM 51.52	1853724.40	6896249.46	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.52"	SR:2005-205/EA:02-25954
CM 51.64	1853424.54	6896798.93	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.64"	SR:2005-205/EA:02-25954
CM 51.77	1852856.04	6897059.81	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.77"	SR:2005-205/EA:02-25954
CM 51-6	1852621.29	6897289.88	FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51-6"	SR:2005-205/EA:02-25954
CM 51.91	1852436.79	6897692.39	SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.91"	SR:2005-205/EA:02-25954
GARDEN	1847449.07	6901166.24	FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM GARDEN"	12 ROS 28

CONTROL NETWORK INVERSES	
Grid Bearings and Grid Distances.	
SPRING	
CM 50-2	N 71°01'39" W, 189.19'
CM 50.45	S 79°49'08" E, 206.79'
CM 50-3	N 85°23'23" E, 677.35'
CM 50.56	S 55°48'25" E, 107.06'
CM 50.65	S 58°25'08" E, 496.25'
CM 50.91	S 73°41'38" E, 308.52'
CM 51.03	S 61°33'14" E, 856.08'
CM 51.15	S 40°02'14" E, 829.21'
CM 51.27	S 70°37'19" E, 578.55'
CM 51-3	S 83°55'33" E, 717.94'
LOOP	S 88°44'26" E, 174.63'
CM 51.52	N 72°38'11" E, 756.33'
CM 51.52	N 63°03'09" E, 381.63'
CM 51.64	S 61°22'40" E, 625.97'
CM 51.77	S 24°38'59" E, 625.50'
CM 51-6	S 44°25'21" E, 328.70'
CM 51.91	S 65°22'29" E, 442.77'
GARDEN	S 34°51'23" E, 6078.24'
CM 51.15	N 37°36'46" E, 528.89'
GREENHORN	S 40°44'37" E, 8054.50'
LOOP	S 78°01'36" E, 1316.20'
GARDEN	

GREENHORN  
 $\gamma$  = +00°46'34"  
 CGF = 0.9998411  
 h = 3806.2 ft

Convergence Angles ( $\gamma$ ) and the  
 GPS Derived Ellipsoid Heights (h)  
 for Monuments as shown are from  
 NGS Datasheets for Station  
 "Greenhorn" (PID:DH6424)

ROW AND PLSS MONUMENTS - NAD 83 (1991.35) CCS ZONE 2 - US FEET				
POINT NAME	NORTHINGS	EASTINGS	DESCRIPTION / "STAMPING"	CALTRANS REFERENCE
RW1001	1853275.56	6894601.86	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
RW1002	1853310.71	6894568.64	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
RW1003	1853447.78	6894439.24	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
RW1004	1853472.49	6894401.55	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
RW1006	1853450.22	6894363.51	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
RW1007	1853625.15	6893671.21	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
RW1009	1854121.23	6893201.24	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
RW1010	1854213.34	6893298.18	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	SR:2011-009/EA:02-2C090
CC251	1853460.17	6895090.92	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	Cad Card 25-1
CC252	1853262.07	6895084.51	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	Cad Card 25-2
CC253	1853535.44	6895480.74	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	Cad Card 25-3
CC254	1853581.20	6895460.67	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	Cad Card 25-4
CC255	1853206.69	6897086.93	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	Cad Card 25-5
CC256	1853149.44	6896831.37	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	Cad Card 25-6
CC257	1852951.80	6897234.76	FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE	Cad Card 25-7

SURVEYOR'S NOTES	
1)	Purpose of this survey is to publish California Coordinates for CALTRANS Project Control Monuments and Found Right-of-Way Monuments for the "Spring Garden Bridge Replacement Project" (EA: 02-2C090)
2)	Distances and Coordinates are expressed in Grid US Feet unless otherwise noted. Divide Grid Distances by Combined Grid Factor (CGF) of 0.9998411 to obtain Ground Distances. Multiply US Feet Values by 1200/3937 to convert to Meters.
3)	Bearings, distances, and coordinates are based on the California Coordinate System of 1983, Zone 2, Epoch 1991.35 - CCS83 (1991.35) Zone 2. Coordinates provided were generated from ties to the California High Accuracy Reference Network (HARN) pursuant to Section 8813.2 of California Resources Code.
4)	Coordinates for Monuments: SPRING, LOOP, and GARDEN are from Static GPS Surveys performed by Caltrans in January and February of 1998 for Caltrans Project EA: 02-30880 as shown on 12 ROS 28. Said GPS Survey constrained by CSRS-H Monuments: MILFORD, QUINCY 7221, HPGN-D CA 02-FS, and HPGN CA 02-27

SURVEYOR'S NOTES	
5)	NAD83(1991.35) Coordinates for CSRS-H Monument GREENHORN were computed from Static GPS Surveys performed by Caltrans in December of 2005 and as detailed in the GPS Project Control Report for EA:02-25954 dated January 11, 2006.
6)	Observed coordinates for found 6" x 6" Concrete R/W Monuments numbered RW1001-RW1010 were generated from Landnet Surveys SR:2011/EA:02-2C090.
7)	Observed coordinates for found 6" x 6" Concrete R/W Monuments numbered CC251-CC257 were generated from Landnet Surveys performed in April of 1993 on NAD27 Datum which have been translated to NAD83(91.35) Datum using the datum shift observed at CM 51.64 and checked against CC255 that was observed on NAD83(91.35) Datum as point 745 per survey SR:2005-205/EA:02-25954
8)	This Survey and Map Shows approximate location of Caltrans R/W and of Railroad R/W for general reference purposes only.
9)	Additional information may be obtained from the Caltrans North Region Office of Surveyors (NROS) in the project files for EA: 02-2E000, for EA:02-25954, and EA:02-30880

EA:02-2C090      **Caltrans**      MARCH 2012

STATE OF CALIFORNIA  
 BUSINESS, TRANSPORTATION AND HOUSING AGENCY  
 DEPARTMENT OF TRANSPORTATION

RECORD OF SURVEY  
 FOR PROJECT CONTROL  
 AND PERPETUATION OF  
 RIGHT-OF-WAY MONUMENTS

LYING WITHIN SEC 25 AND 26, T24N, R10E, MDM  
 IN THE UNINCORPORATED TERRITORY OF THE  
 COUNTY OF PLUMAS, STATE OF CALIFORNIA ALONG  
 STATE HIGHWAY 70, POST MILES 51-52

CO.	RTE.	P.M.	SHEET NUMBER
PLU	70	51.0 - 52.0	2 of 2